

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant : Björn Nilsson
Serial No. :
Filed : July 14, 2003
Title : NOVEL COMPOUNDS AND THEIR USE
Art Unit : Unknown
Examiner : Unknown

BOX PATENT APPLICATION

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

INFORMATION DISCLOSURE STATEMENT

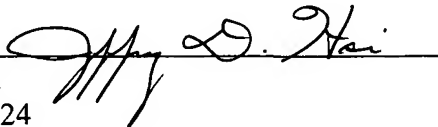
Copies of the references listed on the attached form PTO-1449 are enclosed.

Under 35 USC §120, this application relies on the earlier filing date of application serial number 09/989,358, filed on November 20, 2001. Applicant submits a copy of reference ABBB listed on the attached form PTO-1449. Copies of the remaining listed references have been submitted to and/or cited by the Office in the parent application and, therefore, are not provided in this application.

This statement is being filed with the application. Please apply any charges or credits to Deposit Account No. 06-1050.

Respectfully submitted,

Date: July 14, 2003


Jeffrey D. Hsi
Reg. No. 40,024

Fish & Richardson P.C.
225 Franklin Street
Boston, MA 02110-2804
Telephone: (617) 542-5070
Facsimile: (617) 542-8906

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| Substitute Form PTO-1449 (Modified) | U.S. Department of Commerce Patent and Trademark Office | Attorney's Docket No. 13425-056002 | Application No. |
| Information Disclosure Statement by Applicant (Use several sheets if necessary) (37 CFR §1.98(b)) | | Applicant Björn Nilsson | |
| | | Filing Date | Group Art Unit |

| U.S. Patent Documents | | | | | | | |
|-----------------------|-----------|---------------|------------|--------------------|-------|----------|----------------------------|
| Examiner Initial | Desig. ID | Patent Number | Issue Date | Patentee | Class | Subclass | Filing Date If Appropriate |
| | AA | 3,253,989 | 05/31/1966 | Moser, et al. | 167 | 55 | |
| | AB | 4,078,063 | 03/07/1978 | Lumma Jr., et al. | 260 | 268 | |
| | AC | 4,081,542 | 03/28/1978 | Lumma, Jr., et al. | 260 | 268 | |

| Foreign Patent Documents or Published Foreign Patent Applications | | | | | | | | |
|---|-----------|-----------------|------------------|--------------------------|-------|----------|-------------|----|
| Examiner Initial | Desig. ID | Document Number | Publication Date | Country or Patent Office | Class | Subclass | Translation | |
| | | | | | | | Yes | No |
| | AD | EP 0226842 A2 | 07/01/1987 | Europe | 295 | 20 | | |
| | AE | EP 0330263 A1 | 02/25/1988 | Europe | 239 | 42 | | |
| | AF | EP 0345808 A1 | 12/13/1989 | Europe | 401 | 12 | Abstract | |
| | AG | EP 0370560 B1 | 05/30/1990 | Europe | 213 | 72 | | |
| | AH | EP 0462638 A1 | 12/27/1991 | Europe | 213 | 74 | | |
| | AI | EP 0572863 A1 | 12/08/1993 | Europe | 487 | 04 | Abstract | |
| | AJ | EP 0580465 A1 | 01/26/1994 | Europe | 31 | 495 | Abstract | |
| | AK | EP 0655440 A2 | 05/31/1995 | Europe | 209 | 36 | Abstract | |
| | AL | EP 0655440 A3 | 11/06/1996 | Europe | 209 | 36 | Abstract | |
| | AM | EP 0657426 A2 | 06/14/1995 | Europe | 209 | 52 | Abstract | |
| | AN | EP 0657426 A3 | 03/06/1996 | Europe | 209 | 52 | Abstract | |
| | AO | EP 0863136 A1 | 09/09/1998 | Europe | 205 | 04 | | |
| | AP | EP 1023898 A1 | 08/02/2000 | Europe | 31 | 40 | Abstract | |
| | AQ | DE 2202385 A1 | 01/19/1972 | Denmark | | | Abstract | |
| | AR | JP 07300474 A2 | 11/07/1995 | Japan | | | Abstract | |
| | AS | ES 514549 A1 | 07/30/1982 | Spain | | | | |
| | AT | WO 0012475 A1 | 03/09/2000 | WIPO | 209 | 08 | | |
| | AU | WO 0012481 A2 | 03/02/2000 | WIPO | 231 | 00 | | |
| | AV | WO 0012481A3 | 03/09/2000 | WIPO | 231 | 56 | | |
| | AW | WO 00/12482 A2 | 03/09/2000 | WIPO | 231 | 00 | | |
| | AX | WO 00/12482 A3 | 03/09/2000 | WIPO | 231 | 56 | | |

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| Examiner Signature | Date Considered |
| EXAMINER: Initials citation considered. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. | |

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| Substitute Form PTO-1449 (Modified) | U.S. Department of Commerce Patent and Trademark Office | Attorney's Docket No. 13425-056002 | Application No. |
| Information Disclosure Statement by Applicant (Use several sheets if necessary) | | Applicant Björn Nilsson | |
| | | Filing Date | Group Art Unit |

(37 CFR §1.98(b))

| Foreign Patent Documents or Published Foreign Patent Applications | | | | | | | | |
|---|-----------|-----------------|------------------|--------------------------|-------|----------|-------------|----|
| Examiner Initial | Desig. ID | Document Number | Publication Date | Country or Patent Office | Class | Subclass | Translation | |
| | | | | | | | Yes | No |
| | AY | WO 00/12502 A1 | 03/09/2000 | WIPO | 471 | 04 | | |
| | AZ | WO 00/12510 A1 | 03/09/2000 | WIPO | 487 | 04 | | |
| | AAA | WO 00/17163 A1 | 03/30/2000 | WIPO | 213 | 74 | Abstract | |
| | ABB | WO 00/17170 A2 | 03/30/2000 | WIPO | 231 | 56 | | |
| | ACC | WO 00/35922 A1 | 06/22/2000 | WIPO | 487 | 04 | | |
| | ADD | WO 00/44737 A1 | 08/03/2000 | WIPO | 307 | 81 | | |
| | AEE | WO 00/44753 A1 | 08/03/2000 | WIPO | 487 | 04 | | |
| | AFF | WO 00/50401 A1 | 08/31/2000 | WIPO | 213 | 75 | | |
| | AGG | WO 00/76984 A2 | 12/21/2000 | WIPO | 241 | 18 | | |
| | AHH | WO 00/76984 A3 | 12/21/2000 | WIPO | 241 | 20 | | |
| | AII | WO 00/77001 A1 | 12/21/2000 | WIPO | 471 | 16 | | |
| | AJJ | WO 00/77002 A1 | 12/21/2000 | WIPO | 741 | 16 | | |
| | AKK | WO 00/77010 A2 | 12/21/2000 | WIPO | 513 | 16 | | |
| | ALL | WO 01/09111 A1 | 02/08/2001 | WIPO | 307 | 79 | | |
| | AMM | WO 01/09122 A2 | 02/08/2001 | WIPO | 405 | 04 | | |
| | ANN | WO 01/09122 A3 | 02/08/2001 | WIPO | 405 | 04 | | |
| | AOO | WO 01/09123 A1 | 02/08/2001 | WIPO | 405 | 04 | | |
| | APP | WO 01/09126 A1 | 02/08/2001 | WIPO | 409 | 04 | | |
| | AQQ | WO 01/12602 A1 | 02/22/2001 | WIPO | 209 | 60 | | |
| | ARR | WO 01/12603 A1 | 02/22/2001 | WIPO | 209 | 80 | | |
| | ASS | WO 87/04928 A1 | 08/27/1987 | WIPO | 505 | 31 | Abstract | |

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| | Applicant Björn Nilsson | | |
| | Filing Date | Group Art Unit | |

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|---|-----------|-----------------|------------------|--------------------------|-------|----------|-------------|----|
| Examiner Initial | Desig. ID | Document Number | Publication Date | Country or Patent Office | Class | Subclass | Translation | |
| | | | | | | | Yes | No |
| | ATT | WO 95/01976 A1 | 01/19/1995 | WIPO | 401 | 12 | | |
| | AUU | WO 96/11920 A1 | 04/25/1996 | WIPO | 311 | 56 | | |
| | AVV | WO 98/42712 A1 | 10/01/1998 | WIPO | 491 | 04 | Abstract | |
| | AWW | WO 98/30548 A1 | 07/16/1998 | WIPO | 231 | 56 | Abstract | |
| | AXX | WO 98/56768 A1 | 12/17/1998 | WIPO | 231 | 54 | Abstract | |
| | AYY | WO 99/11619 A1 | 03/11/1999 | WIPO | 209 | 16 | | |
| | AZZ | WO 99/58490 A2 | 11/18/1999 | WIPO | 211 | 00 | | |
| | AAAA | WO 99/58490 A3 | 11/18/1999 | WIPO | 211 | 30 | | |

| Other Documents (include Author, Title, Date, and Place of Publication) | | |
|---|-----------|---|
| Examiner Initial | Desig. ID | Document |
| | ABBB | Copy of International Search Report for SE 00/01472 |
| | ACCC | Campbell et al., Simon F., "2,4-Diamino-6,7-dimethoxyquinazolines. 3. 2-(4-Heterocyclylpiperasin-1-yl) Derivatives as α_1 -Adrenoceptor Antagonists and Antihypertensive Agents", <i>J. Med. Chem.</i> , Vol. 30, pp. 1794-1798, 1987. |
| | ADDD | Dourish, Colin T., "Multiple Serotonin Receptors: Opportunities for New Treatments for Obesity?", <i>Obesity Research</i> , Vol. 3, Suppl. 4, pp. 449S-462S, 1995. |
| | AEEE | Dukat et al., Malgorzata, "Structure-Activity Relationships for the Binding of Arylpiperazines and Arylbiquanides at 5-HT ₃ Serotonin Receptors", <i>J. Med. Chem.</i> , Vol. 39, pp. 4017-4026, 1996. |
| | AFFF | Jenck et al., F., "The role of 5-HT _{2c} receptors in affective disorders", <i>Exp. Opin. Invest. Drugs</i> , pp. 1587-1599, 1998. |
| | AGGG | Kennett, GA, "5-HT drugs and eating disorders", <i>IDrugs</i> , Vol. 1, No. 4, pp. 456-470, 1998. |
| | AHHH | Lee et al., Hong Shick, "Effect of the Serotonin Agonist, MK-212, on the Body Temperature in Schizophrenia", <i>Society of Biological Psychiatry</i> , Vol. 31, pp. 460-470, 1992. |
| | AIII | Leysen, Dirk C.M., "Selective 5-HT _{2c} agonists as potential antidepressants", <i>IDrugs</i> , Vol. 2(2), pp. 109-120, 1999. |
| | AJJJ | Lumma et al., Jr., William C., "Piperazinylpyrazines with Central Serotoninmimetic Activity", <i>Journal of Medicinal Chemistry</i> , Vol. 21, No. 6, pp. 536-542, 1978. |
| | AKKK | Lumma, Jr. et al., William C., "Piperazinylquinoxalines with Central Serotoninmimetic Activity", <i>J. Med. Chem.</i> , Vol. 24, pp. 93-101, 1981. |
| | ALLL | Meltzer, Herbert Y., "Clinical studies on the mechanism of action of clozapine: the dopamine-serotonin hypothesis of schizophrenia", <i>Psychopharmacology</i> , pp. S18-S27, 1989. |

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| | | Filing Date | Group Art Unit |

| Other Documents (include Author, Title, Date, and Place of Publication) | | |
|---|-----------|---|
| Examiner Initial | Desig. ID | Document |
| | AMMM | Methvin et al., Isaac, "Pyrrolo[3,2,2-ij] quinoline Derivatives, a 5-HT _{2c} Receptor Agonist with Selectivity over the 5-HT _{2a} Receptor: Potential Therapeutic Applications for Epilepsy and Obesity", <i>Bioorganic & Medicinal Chemistry Letters</i> , Vol. 10, pp. 919-921, 2000. |
| | ANNN | Pavia et al., Michael R., "6-Alkoxy- <i>N, N</i> -disubstituted-2-pyridinamines as Anticonvulsant Agents", <i>J. Med. Chem.</i> , Vol. 30., pp. 1210-1214, 1987. |
| | AOOO | Pavia et al., Michael R., "6-Alkyl- <i>N, N</i> -disubstituted-2-pyridinamines as Anticonvulsant Agents", <i>J. Med. Chem.</i> , Vol. 32, pp. 1237-1242, 1989. |
| | APPP | Rogers et al., R.J. , "Differential Effects of Novel Ligands for 5-HT Receptor Subtypes on Nonopioid Defensive Analgesia in Male Mice", <i>Neuroscience & Biobehavioral Reviews</i> , Vol. 15, pp 489-495, 1991. |
| | AQQQ | Roth et al., Bryan L., "The Multiplicity of Serotonin Receptors: Uselessly Diverse Molecules or an Embarrassment of Riches?", <i>The Neuroscientist</i> , pp. 252-262, 2000. |
| | ARRR | Sargent et al., P.A., "5-HT _{2c} receptor activation decreases appetite and body weight in obese subjects", <i>Psychopharmacology</i> , Vol. 133, pp. 309-312, 1997. |
| | ASSS | Shutske et al., Gregory M., "Synthesis of Some Piperazinylpyrazolo[3,4- <i>b</i>]pyridines as Selective Serotonin Re-uptake Inhibitors", <i>J. Heterocyclic Chem.</i> , Vol. 34, pp. 789-795, 1997. |
| | ATTT | Tecott et al., Laurence H., "Eating disorder and epilepsy in mice lacking 5-HT _{2c} serotonin receptors", <i>Nature</i> , Vol. 374, pp. 542-546, 1995. |

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|--|-----------------|
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